

CUSTOMER CASE STUDY

VICTAULIC COMPANY OVERVIEW

The world's leading manufacturer of mechanical pipe joining systems.

BACKUP APPLICATION

Symantec™ NetBackup™

KEY BENEFITS

- Cut backup window in half
- Saved capacity with 35:1 deduplication reduction ratio
- Cut file-level restore time from hours to minutes
- Enabled six-week online retention of full backups



“Already, our investment in SEPATON has been validated many times over and it will pay for itself in a very short period of time. With budgets likely to tighten, I feel reassured knowing our investment in this VTL technology has lowered both our short-term and long-term backup costs.”

Fred Railing
Infrastructure Manager
Victaulic Company

Victaulic Speeds Backup and Restores, Cuts Capacity with SEPATON VTL and Deduplication

Facing exponential data growth and lengthening backup times, Victaulic Company's tape backup systems could no longer provide the performance or capacity they needed for efficient data protection. For a cost comparable to tape, Victaulic Company implemented a SEPATON S2100[®]-ES2 virtual tape library (VTL) with DeltaStor[®] data deduplication software, enabling the company to cut its backup time in half, restore files in minutes, and lengthen its online data retention to six weeks.

Victaulic Company is the industry's leading manufacturer of mechanical pipe joining systems with locations and business operations around the world. Its IT infrastructure supports 2500 employees at manufacturing and distribution facilities worldwide.

To manage this global enterprise, Victaulic relies on a powerful IT infrastructure, which generates a large and growing volume of data. This infrastructure includes Oracle and SQL databases, Lotus Notes email systems, and computer aided design and drafting (CADD) systems.

THE ENVIRONMENT

Victaulic's HP SAN environment comprises primarily Windows servers and VMware virtual servers supporting approximately 2,500 employees. IT infrastructure staff were using NetBackup software to backup their data to physical tape library. “With our backup times approaching 24 hours and our data volumes increasing exponentially, we had outgrown our existing tape system. We had to decide between

upgrading our physical tape library, or moving to a disk-based system,” explained Fred Railing, infrastructure manager, Victaulic Company.

THE EVALUATION CRITERIA

Victaulic identified several key considerations for selecting a solution. The system had to support their backup policies and work with their existing backup software. It also needed to deliver substantial capacity reduction through deduplication. Because they expected their data growth to continue unabated, Victaulic needed a system that would allow them to add capacity and performance as they need it, without requiring new systems or costly upgrades.

“We soon concluded that, for a price comparable to tape, the SEPATON VTL would give us significantly faster performance and a shorter backup window. The deduplication option coupled with its scalability would also save us money over time by letting us store all of our data in a single system.”

CUSTOMER CASE STUDY

THE SELECTION

“The SEPATON solution is a simple, risk-free approach to data deduplication with a configuration that proved to be ‘plug-and-play.’ With SEPATON’s ContentAware™ technology, we can add performance simply by adding more SEPATON replication engine (SRE®) nodes and add capacity simply by adding disk shelves. This is an efficient, cost-effective way to grow the system. It enables us to maintain six weeks of full backups online.”

Victaulic purchased an S2100-ES2 with one SRE node and 30 TB of usable

capacity, along with DeltaStor deduplication software. Implementation was seamless.

“The SEPATON VTL and DeltaStor software were up and running in just a few hours,” Railing said. “We are storing 164 TB of original data from six weeks of full backups online with a deduplication ratio of 35:1. With more data online and immediately available, our overall restore times have dramatically improved. We estimate that the VTL reduced our file-level restore time from hours to minutes by eliminating the need to search multiple tapes,” he added.

“The SEPATON VTL backs up and deduplicates the data so fast that our full backups are completed in just half the time it used to take to perform only incrementals with our tape system. With DeltaStor’s concurrent deduplication process, there is absolutely no drain on performance.”

Fred Railing
Infrastructure Manager
Victaulic Company

THE RESULTS

The SEPATON VTL cut Victaulic Company’s backup window in half—from 24 hours to 12 hours. “Our SEPATON VTL backs up and deduplicates data so fast that our full backups are completed in just half the time it used to take to perform only incrementals with our tape system. With DeltaStor’s concurrent deduplication process, there is absolutely no drain on performance.”

Railing also finds DeltaStor’s management console very helpful in monitoring storage growth and budgeting for expansion. For example, the console provides snapshots of Victaulic’s usable disk capacity, disk capacity used, and remaining capacity available. This feature eliminates the need to over-provision capacity. Railing can manage his backups carefully, and add new capacity only as he needs it. He is also better able to manage his storage operations with the system’s “email home” feature that automatically alerts both his team and SEPATON’s technical support group. If it detected that a fan was beginning to fail, for instance, the system would alert SEPATON’s support team to the problem before the failure happened and would notify Railing that assistance was requested.

“Already, our investment in SEPATON has been validated many times over and it will pay for itself in a very short period of time,” concluded Railing. “With budgets likely to tighten, I feel reassured knowing our investment in this VTL technology has lowered both our short-term and long-term backup costs.”